

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087990.D
 Acq On : 30 Sep 2025 09:34
 Operator : JC\MD
 Sample : VN0930MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBL01

Quant Time: Oct 01 04:37:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.212	168	170539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	373612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	361092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	166166	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	167479	58.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.700%
35) Dibromofluoromethane	8.153	113	141809	52.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.560%
50) Toluene-d8	10.547	98	475250	49.820	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.640%
62) 4-Bromofluorobenzene	12.829	95	157491	46.188	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.380%

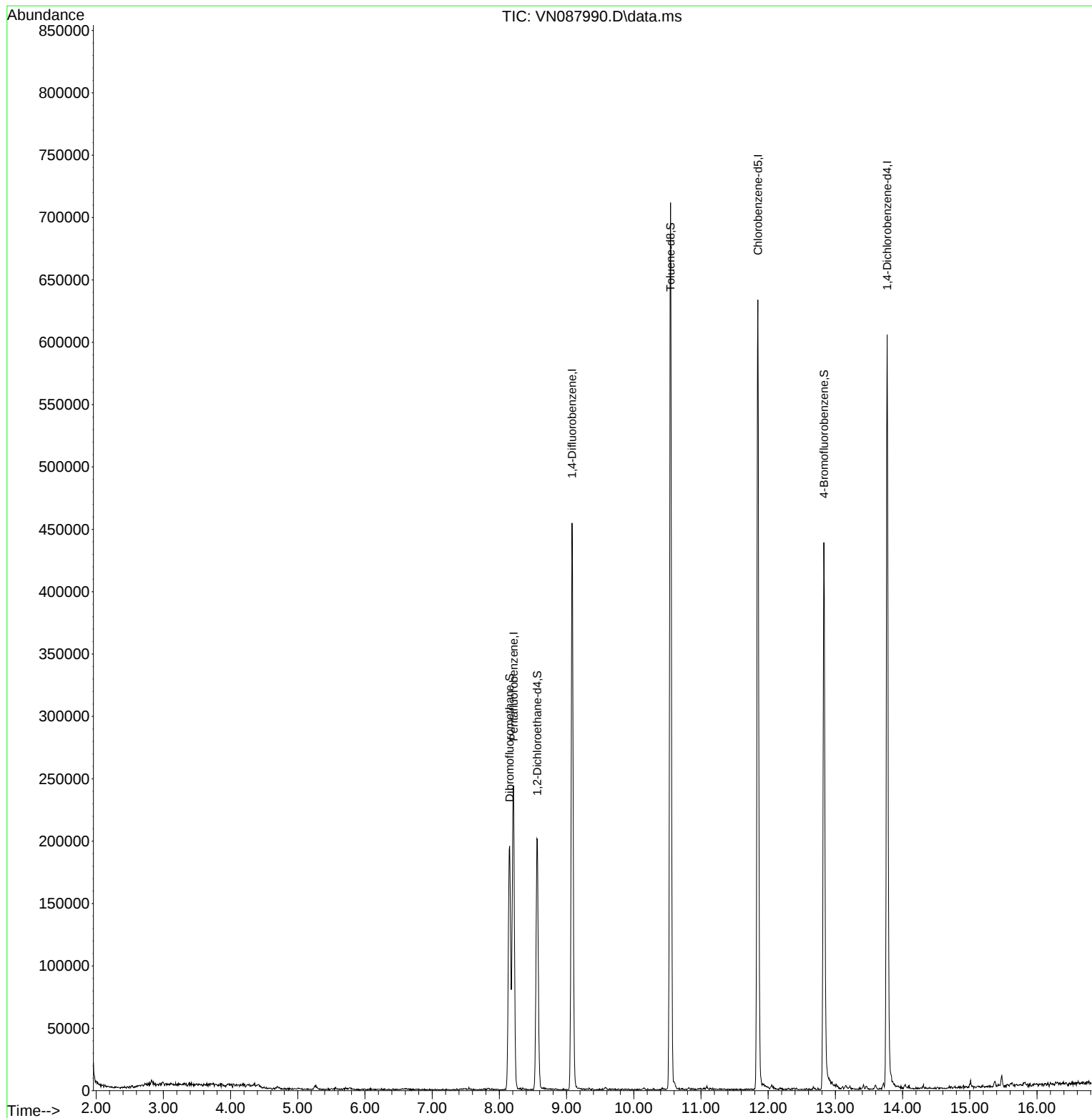
Target Compounds	Qvalue

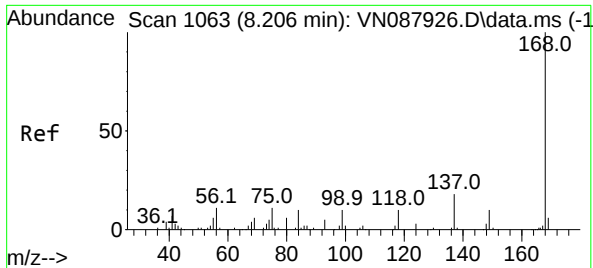
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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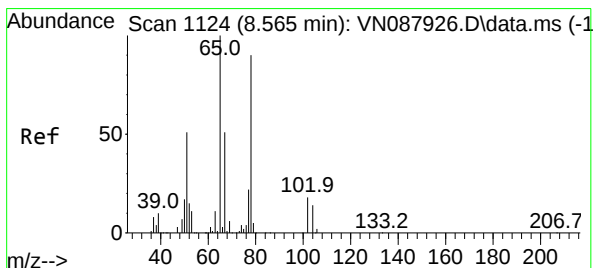
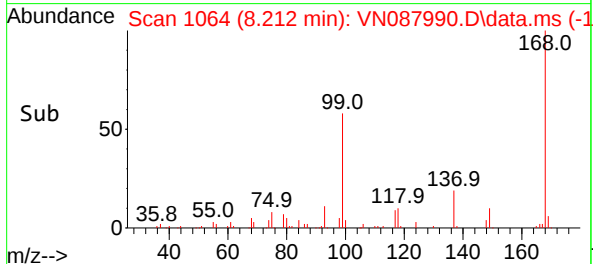
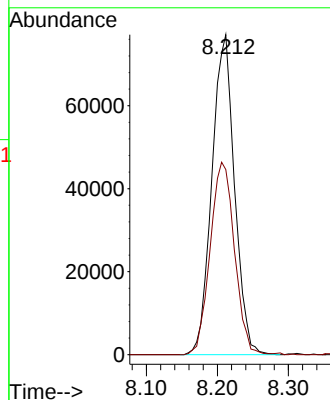
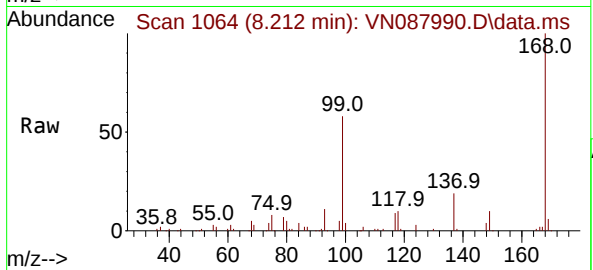




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087990.D
Acq: 30 Sep 2025 09:34

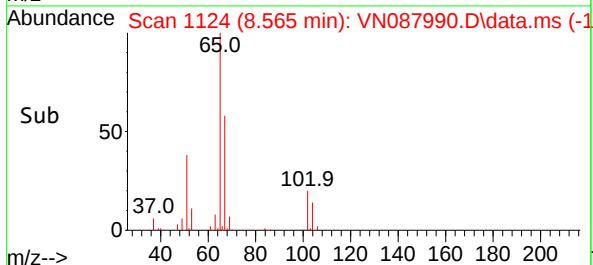
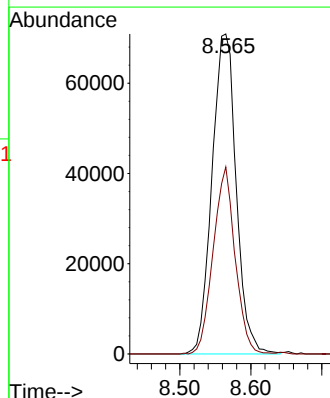
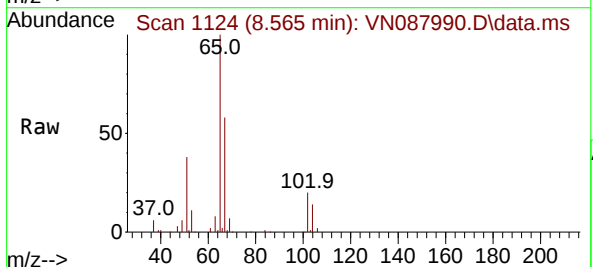
Instrument :
MSVOA_N
ClientSampleId :
VN0930MBL01

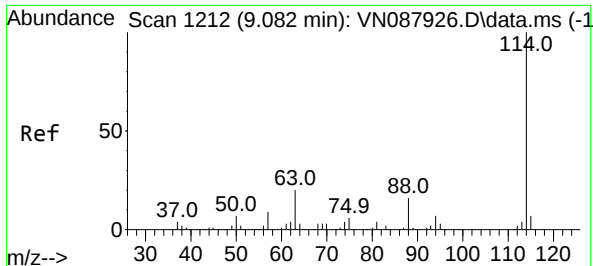
Tgt Ion:168 Resp: 170539
Ion Ratio Lower Upper
168 100
99 57.9 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 58.354 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN087990.D
Acq: 30 Sep 2025 09:34

Tgt Ion: 65 Resp: 167479
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087990.D

Acq: 30 Sep 2025 09:34

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBL01

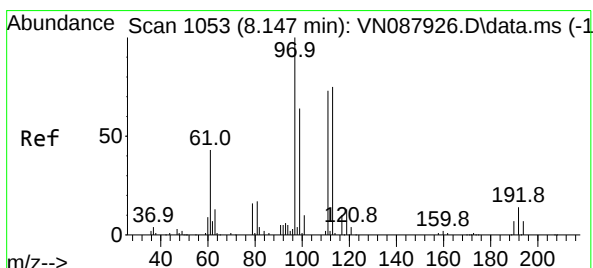
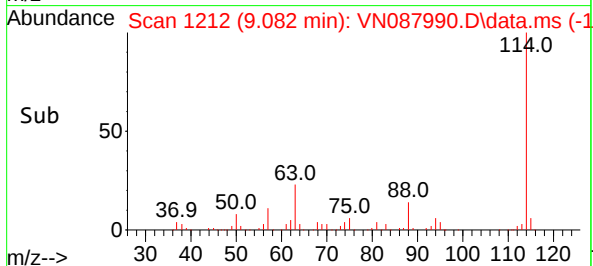
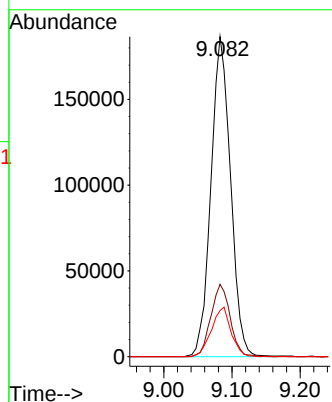
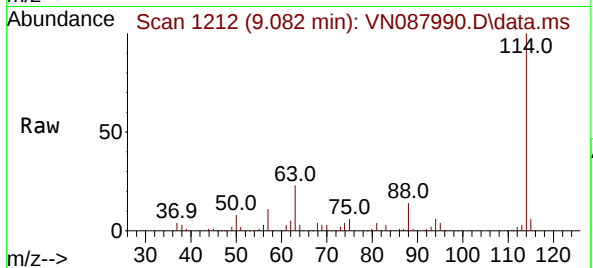
Tgt Ion:114 Resp: 373612

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.277 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087990.D

Acq: 30 Sep 2025 09:34

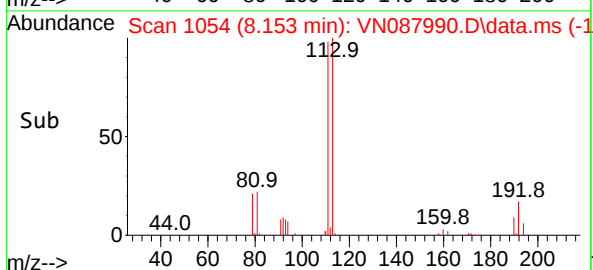
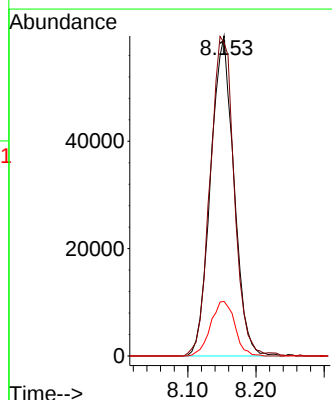
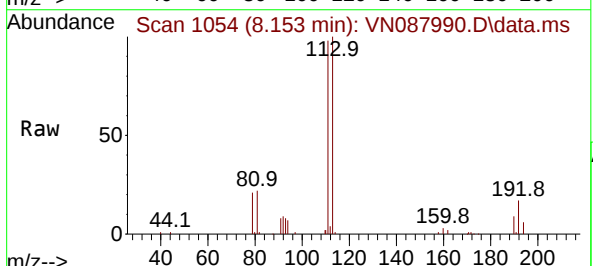
Tgt Ion:113 Resp: 141809

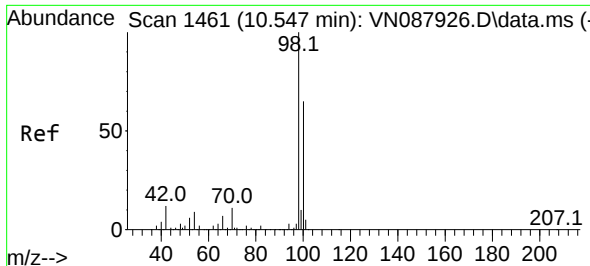
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 17.7 14.2 21.2

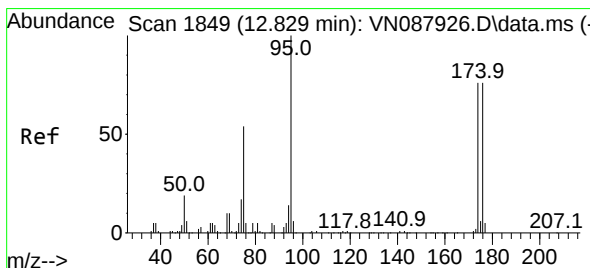
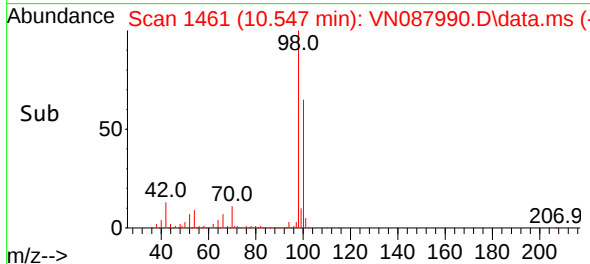
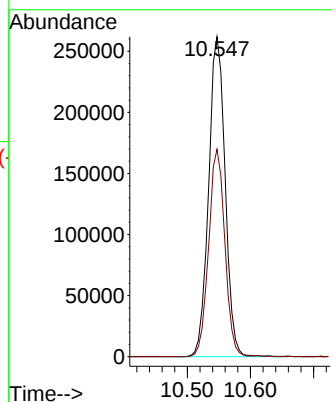
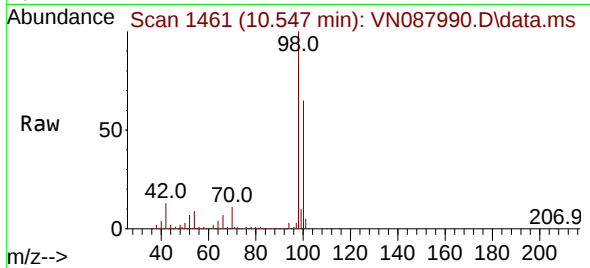




#50
Toluene-d8
Concen: 49.820 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087990.D
Acq: 30 Sep 2025 09:34

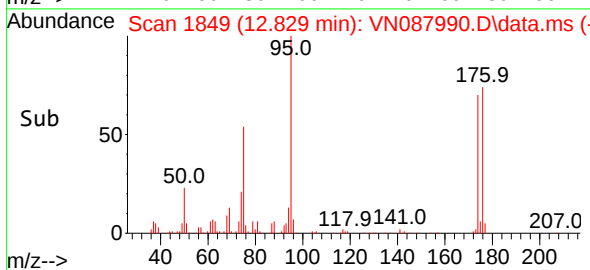
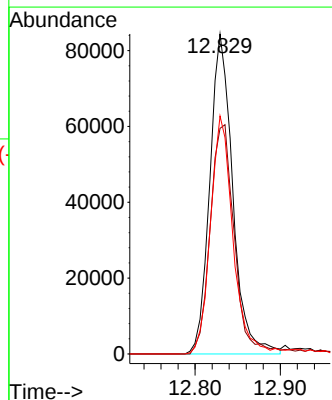
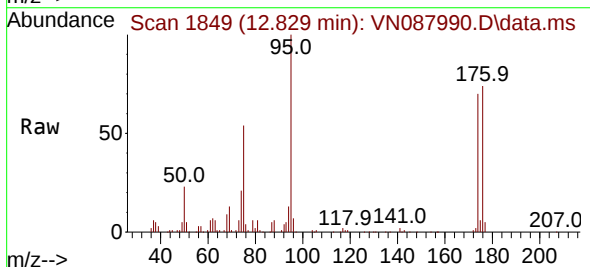
Instrument :
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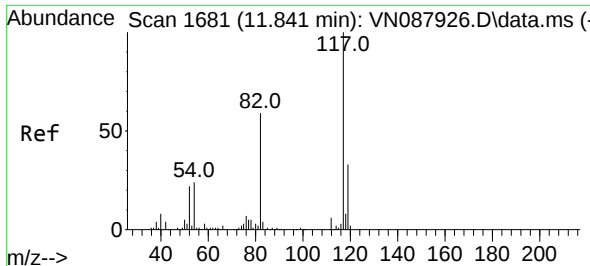
Tgt Ion: 98 Resp: 475250
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087990.D
Acq: 30 Sep 2025 09:34

Tgt Ion: 95 Resp: 157491
Ion Ratio Lower Upper
95 100
174 75.8 0.0 159.2
176 73.2 0.0 152.6

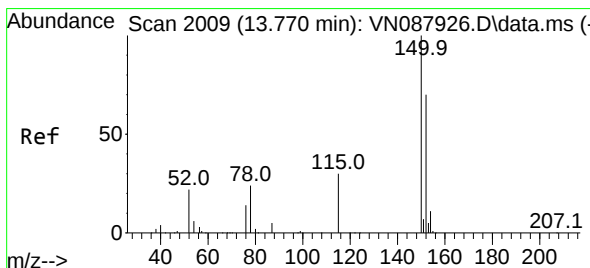
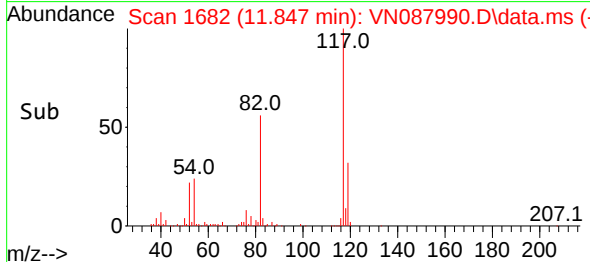
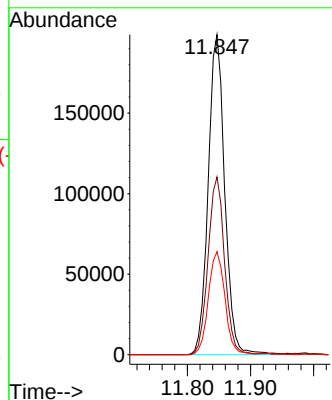
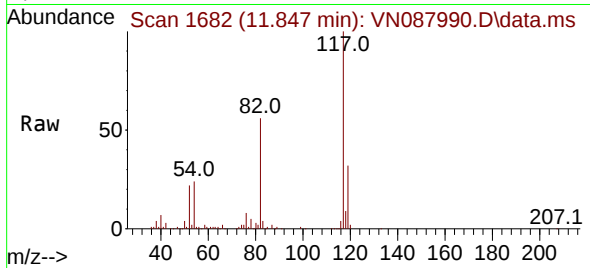




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN087990.D
Acq: 30 Sep 2025 09:34

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBL01

Tgt Ion:117 Resp: 361092
Ion Ratio Lower Upper
117 100
82 55.6 47.0 70.4
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087990.D
Acq: 30 Sep 2025 09:34

Tgt Ion:152 Resp: 166166
Ion Ratio Lower Upper
152 100
115 62.1 29.9 89.7
150 159.5 0.0 335.0

